

INTERNATIONAL SEARCH REPORT

Intern. # Application No
PCT/GB2004/005035

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01N21/35

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DE 203 01 081 U1 (DRAEGER SAFETY AG & CO. KGAA) 10 April 2003 (2003-04-10)</p> <p>page 1, line 15 - line 22 page 2, line 20 - line 22 page 2, line 28 - page 3, line 8 page 3, line 21 - line 25 page 3, line 32 - page 4, line 6 page 5, line 1 - line 9 page 5, line 16 - line 19 page 5, line 25 - line 27 page 6, line 5 - line 8 figure 1</p> <p style="text-align: center;">----- -/-</p>	<p>1-13, 15-20, 24-33</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

25 February 2005

Date of mailing of the international search report

16/03/2005

Name and mailing address of the ISA

European Patent Office, P.E. 5816 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 3: 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Verdoordt, E

INTERNATIONAL SEARCH REPORT

 Intern al Application No
 PCT/GB2004/005035

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004/023113 A (E2V TECHNOLOGIES LIMITED; HOPKINS, GRAHAM, PAUL) 18 March 2004 (2004-03-18) the whole document	1-13, 15, 16, 18-20, 25-27, 29
X	WO 02/077619 A (EDWARDS SYSTEMS TECHNOLOGY INC ; KOUZNETSOV ANDRIAN I (US)) 3 October 2002 (2002-10-03)	1-13, 15-18, 24-27, 29, 30 28
Y A	page 5, line 12 - page 6, line 14 page 7, line 1 - last line figures 2, 3	34, 36
X	DE 201 21 183 U1 (STEINEL GMBH & CO. KG) 3 April 2003 (2003-04-03) figure 1 page 4, paragraph 2	1-5, 7-9, 13, 15-17, 24-27
X	US 5 475 222 A (KING JOHN D) 12 December 1995 (1995-12-12) the whole document	1, 34-36
X	GB 2 116 317 A (HORIBA LTD) 21 September 1983 (1983-09-21) page 1, line 27 - line 33 page 4, line 40 - line 48	1, 14
Y	US 3 614 431 A (MCHENRY THOMAS F) 19 October 1971 (1971-10-19) column 1, line 60 - line 62	28
X A	US 6 410 918 B1 (KOUZNETSOV ANDRIAN I) 25 June 2002 (2002-06-25) figure 5 column 5, line 30 - line 59 column 6, line 1 - line 12	1, 13, 15, 16, 18-27 32
X A	GB 2 372 099 A (DYNAMENT LTD) 14 August 2002 (2002-08-14) cited in the application page 5, line 12 - line 18 page 9, line 17 - line 20 figure 3	1, 30, 31 22, 32
X	US 6 469 303 B1 (HSI PETER C ET AL) 22 October 2002 (2002-10-22) cited in the application column 6, line 63 - line 65	1, 30, 31
A	US 2002/153490 A1 (O'LEARY ROBERT) 24 October 2002 (2002-10-24) the whole document	34, 36
	-/-	

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/005035

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 896 216 A (TEXAS INSTRUMENTS INC) 10 February 1999 (1999-02-10) the whole document	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern Int Application No

PCT/GB2004/005035

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
DE 20301081	U1	10-04-2003	GB	2391309 A ,B	04-02-2004
			US	2004007667 A1	15-01-2004
✓ WO 2004023113	A	18-03-2004	GB	2392721 A	10-03-2004
			WO	2004023113 A1	18-03-2004
✓ WO 02077619	A	03-10-2002	US	2002104967 A1	08-08-2002
			WO	02077619 A2	03-10-2002
✓ DE 20121183	U1	03-04-2003	DE	10254057 A1	16-10-2003
✓ US 5475222	A	12-12-1995	WO	9618095 A1	13-06-1996
✓ GB 2116317	A	21-09-1983	JP	1012188 Y2	10-04-1989
			JP	58136758 U	14-09-1983
			JP	58136759 U	14-09-1983
			JP	63029240 Y2	05-08-1988
			JP	58136760 U	14-09-1983
			JP	63030996 Y2	18-08-1988
			JP	58136761 U	14-09-1983
			JP	63006670 Y2	25-02-1988
			JP	2019719 Y2	30-05-1990
			JP	58136762 U	14-09-1983
			JP	58136763 U	14-09-1983
			JP	58160339 U	25-10-1983
			JP	64003067 Y2	26-01-1989
			DE	3307132 A1	22-09-1983
			US	4499378 A	12-02-1985
			KR	8700596 B1	23-03-1987
✓ US 3614431	A	19-10-1971	NONE		
✓ US 6410918	B1	25-06-2002	AU	8349001 A	21-01-2002
			EP	1299710 A2	09-04-2003
			WO	0204926 A2	17-01-2002
			AU	753912 B2	31-10-2002
			AU	1110299 A	17-05-1999
			CA	2307782 A1	06-05-1999
			EP	1027592 A1	16-08-2000
			WO	9922221 A1	06-05-1999
			US	6255653 B1	03-07-2001
✓ GB 2372099	A	14-08-2002	EP	1358472 A1	05-11-2003
			WO	02063283 A1	15-08-2002
			JP	2004522152 T	22-07-2004
			US	2002105650 A1	08-08-2002
✓ US 6469303	B1	22-10-2002	NONE		
✓ US 2002153490	A1	24-10-2002	WO	02079739 A1	10-10-2002
✓ EP 0896216	A	10-02-1999	EP	0896216 A2	10-02-1999
			JP	11118711 A	30-04-1999
			US	6067840 A	30-05-2000